


BEST AVAILABLE COPY

X-RAY IMAGING TUBE

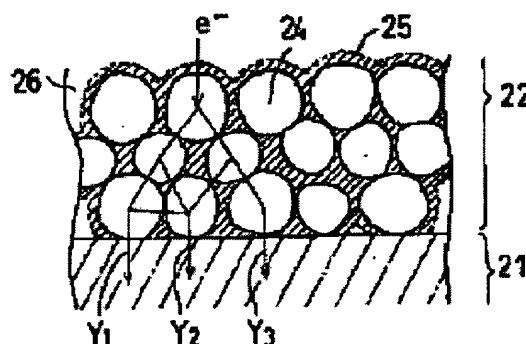
Patent number: JP10188865
Publication date: 1998-07-21
Inventor: TAKAHASHI JUNICHI
Applicant: TOSHIBA CORP
Classification:
- international: H01J31/50; H01J29/18
- european:
Application number: JP19970251940 19970917
Priority number(s):

Also published as:

 JP10188865 (A)

Abstract of JP10188865

PROBLEM TO BE SOLVED: To restrain scattering of a photon reaching a glass plate and improve resolution or contrast by bonding phosphors by a bonding substance containing a material in which permeability of the photon is lowered in a phosphor layer of an output screen.
SOLUTION: In a phosphor layer 22 of an output screen in which a conductive membrane layer is formed on the phosphor layer 22 formed on a glass plate 21, mineral-based coloring agent such as barium sulfite is blended to make a bonding substance 25 of 80% or less in permeability, thereby phosphors 24 are bonded with each other. At this time, a bonding substance 25 is prevented from intruding in a boundary between the phosphor particles 24 or a boundary between a phosphor particle and a glass plate 21. Thereby, a photon generated by the phosphor particle 24 is decreased from permeating the bonding substance, a path passing through the phosphor particles 24 is passed, a ratio of the photon reaching the glass plate 21 is increased, and scattering of the photon is restrained.



Data supplied from the esp@cenet database - Worldwide

THE REQUESTED PATENT IMAGE IS NOT AVAILABLE FROM THE EPO WEBSITE. BELOW IS THE ABSTRACT OF THE REQUESTED PATENT WHICH POSSIBLY LISTS RELATED PATENT DOCUMENTS. IF YOU FEEL THIS MESSAGE IS IN ERROR, PLEASE REATTEMPT DOWNLOADING THE PATENT OR DOUBLE-CHECK THE PATENT IMAGE AVAILABILITY AT <http://ep.espacenet.com>.

Patent Number: JP10188865
Publication date: 1998-07-21
Inventor(s): TAKAHASHI JUNICHI
Applicant(s): TOSHIBA CORP
Requested Patent: JP10188865
Application Number: JP19970251940 19970917
Priority Number(s):
IPC Classification: H01J31/50; H01J29/18
Equivalents:

Abstract

PROBLEM TO BE SOLVED: To restrain scattering of a photon reaching a glass plate and improve resolution or contrast by bonding phosphors by a bonding substance containing a material in which permeability of the photon is lowered in a phosphor layer of an output screen.

SOLUTION: In a phosphor layer 22 of an output screen in which a conductive membrane layer is formed on the phosphor layer 22 formed on a glass plate 21, mineral-based coloring agent such as barium sulfite is blended to make a bonding substance 25 of 80% or less in permeability, thereby phosphors 24 are bonded with each other. At this time, a bonding substance 25 is prevented from intruding in a boundary between the phosphor particles 24 or a boundary between a phosphor particle and a glass plate 21. Thereby, a photon generated by the phosphor particle 24 is decreased from permeating the bonding substance, a path passing through the phosphor particles 24 is passed, a ratio of the photon reaching the glass plate 21 is increased, and scattering of the photon is restrained.

Data supplied from the **esp@cenet** database - I2

CLAIMS

No Claims were found.

DESCRIPTION

Text Not Available.